

**TETRA TECH, INC.**

4213 State St., Suite 205
 Santa Barbara, CA 93101
 Telephone (805) 681-3100
 FAX (805) 631-3108

Project: **Vandenberg AFB IRP**Log of Well No. **15-MW-3**
 Location: **OU4 Site 15, ABRES B Launch Complex, approx. 600 feet
 SSE of Bldg. 1825**
Date Started: **12/13/93** Completed: **12/14/93**Logged By: **J. Moser** Checked By: **R. Horwath, RG**Drilled By: **J. Duenas, Layne Env.**Drilling Equipment: **CME 750, 10"/12" HSA**Sampling Equipment: **2" ID Split-spoon**GS Elev.: **71.8** ft above MSL TD: **44.0 ft** bgs4" PVC Blank Casing: from **0** ft bgs to **21** ft bgs0.020 " Screened Casing: from **21** ft bgs to **41** ft bgsBentonite/Cement Grout: from **3** ft bgs to **17** ft bgsBentonite Transition Seal: from **17** ft bgs to **19** ft bgs#3 Sand Filter Pack: from **19** ft bgs to **42** ft bgsTOC Elev.: **75.25** ft above MSL

Depth (ft bgs)	DESCRIPTION	Graphic/ USCS	Well Construction	Sample Blow Counts Per 6"	Percent Recovery	PID(ppm) Amb/Sup	REMARKS
	concrete channel						
	sand yellowish brown (10YR 5/6), fine grained, well sorted, angular to subangular, medium dense, dry to slightly moist, dune sand.	SP		5 6 11 17	71	0/0	Start 1300. V15MW3-0 sent for chemical tests.
5	Same, except minor mottled iron staining, dense.			12 20 27 41	75	0/0	
10				15 18 20 21	71	0/0	
15				15 20 25 26	79	0/0	Samples V15MW3-15 and V15MW3-16 sent for chemical tests (replicates).
				16 36 33 43	79	0/0	
				10 18	79	0/0	Sample V15MW3-20 sent for physical tests.

26.0 ft bgs ▽ Groundwater depth during drilling

24.9 ft bgs ▽ Groundwater depth after well development on: **2/18/94**TC Number: **7001-40****TETRA TECH, INC.**

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SSE of Bldg. 1825**

Depth (ft bgs)	DESCRIPTION	Graphic/ USCS	Well Construction	Sample	Blow Counts Per 6"	Percent Recovery	PID(ppm) Amb/Strip	REMARKS
	<u>sand</u> yellowish brown (10YR 5/6), fine grained, well sorted, angular to subangular, minor mottled iron staining, dense, dry to slightly moist, dune sand.	SP			20 24			
25	Same, except minor to moderate mottled iron staining, very moist to wet.				10 17 30 41	83	0/0	Sample V15MW3-25 sent for chemical tests.
30					4 11 27 31	75	0/0	
35	Same, except fine to coarse grained, minor fragments of subrounded shale gravel, wet.				11 18 24			
40	Same, except very dense.				10 13 40			
								Unable to sample due to heaving sands. End 1500.